

20031013.qrp v03_n072.qrl.20031013

Date: Mon, 13 Oct 2003 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3072

QRP-L Digest 3072

Topics covered in this issue include:

- 1) [159265] 1/2 wave antenna failure
by "Paul Womble" <pwomble@verizon.net>
- 2) [159266] THANKS--Gell Cell Chargers
by ARDUJENSKI@aol.com
- 3) [159267] Re: K8FF's Finger Dimple - What a great idea!!
by "John Sielke" <jsielke@pobox.com>
- 4) [159268] Re: 1/2 wave antenna failure
by "George, W5YR" <w5yr@att.net>
- 5) [159269] Re: Making HW-8 all accessable
by "Timothy-Allen Albertson-KG6IRH" <kg6irh@pacbell.net>
- 6) [159270] OT: all 43 zillion versions of "Hot Rod Lincoln"
by Brad Thompson <Brad.Thompson@valley.net>
- 7) [159271] Re: Passive Audio Filter using 88mh toroids
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 8) [159272] Optivisor Sold
by "NORM KLIEMAN" <k9nk@msn.com>
- 9) [159273] RE: 1/2 wave antenna failure
by "Paul Womble" <pwomble@verizon.net>
- 10) [159274] Re: 73 Magazine Awards
by "Nick Yokanovich" <k3ny@cablespeed.com>
- 11) [159275] RE: 1/2 wave antenna failure
by Steve Smith <sigcom@juno.com>
- 12) [159276] Anyone familiar with DS2Y relays?
by "Jason Hsu" <jhs001@heronetwork.com>
- 13) [159277] Cleaning Rigs-Excellent Product Found
by Ed Tanton <n4xy@earthlink.net>
- 14) [159278] QRPacificon Info
by "Doug Hendricks" <ki6ds@dpol.net>
- 15) [159279] RE: 1/2 wave antenna failure
by Adam Farson <farson@shaw.ca>
- 16) [159280] Re: DS2Y relays-LONG
by Ed Tanton <n4xy@earthlink.net>
- 17) [159281] Re: 1/2 wave antenna failure
by "George, W5YR" <w5yr@att.net>
- 18) [159282] SWR Question - which meter is correct??
by "NORM KLIEMAN" <k9nk@msn.com>
- 19) [159283] Coast to Coast opening on 40m

by "john_k7fd" <john_k7fd@cablespeed.com>
20) [159284] Need to buy a 20 meter rig and quickly get it shipped to Tasmania.
AL7FS will pay.
by Jim Larsen <JimLarsen2002@alaska.net>
21) [159285] Re: K8FF's Finger Dimple - What a great idea!!
by "John Sielke" <jsielke@pobox.com>
22) [159286] RE end of an era
by k1nun@netscape.net
23) [159287] RE: Double extended slinky ????
by "Boulineau, Lee" <lee.boulineau@attws.com>
24) [159288] Tampa radio stores
by "David Hinerman" <WD8CIV@worldnet.att.net>
25) [159289] Excellent ZD Net AnchorDesk essay on BPL
by Ed Tanton <n4xy@earthlink.net>
26) [159290] Re: 1/2 wave antenna failure
by WJuergens@t-online.de (Wolf-Ruediger Juergens)
27) [159291] tick 4
by Marten T Beels <martentb@goshen.edu>
28) [159292] New Site gorgeous...
by "sslyon" <sslyon@megalink.net>
29) [159293] FingerDimple
by WAYNE SMITH <k8ff@juno.com>
30) [159294] RE: Double extended slinky ????
by "Doug Hendricks" <ki6ds@dpol.net>
31) [159295] DL Tramp-8 smt rig
by "Mark G Janzer" <mjanzer@hal-pc.org>
32) [159296] tick 4
by Marten T Beels <martentb@goshen.edu>
33) [159297] Re: FingerDimple
by "John Sielke" <jsielke@pobox.com>
34) [159298] Re: Need to buy a 20 meter rig and quickly get it shipped to
Tasmania. AL7FS will pay.
by Steve Smith <sigcom@juno.com>
35) [159299] Re: SWR Question - which meter is correct??
by "George, W5YR" <w5yr@att.net>
36) [159300] Re: tick 4
by "John J. McDonough" <wb8rcr@arrl.net>
37) [159301] RE: 1/2 wave antenna failure
by Adam Farson <farson@shaw.ca>
38) [159302] Re: tick 4
by "Tom Mc" <thom2@worldnet.att.net>
39) [159303] Re: Need to buy a 20 meter rig and quickly get it shipped to
Tasmania. AL7FS will pay.
by Steve Smith <sigcom@juno.com>
40) [159304] Re: 1/2 wave antenna failure
by "Lew Paceley" <lew@paceley.com>
41) [159305] Re: tick 4
by Dale Botkin <dale@botkin.org>

- 42) [159306] Slinkys---was QRP-L digest 3070
by "Dean-K2WW" <nr2v@northnet.org>
43) [159307] RE: Slinkys---was QRP-L digest 3070
by "JBCrafts" <jbcraft@adelphia.net>
44) [159308] Re: tick 4
by Rick McKee <kc8aon@juno.com>

Date: Sun, 12 Oct 2003 19:25:40 -0400
From: "Paul Womble" <pwomble@verizon.net>
To: <fpqrp-l@fpqrp.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [159265] 1/2 wave antenna failure
Message-ID: <009601c39118\$26b14420\$6601a8c0@house>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Well...today was the first day I have tried an end fed 1/2 wave antenna.
I keep reading how great they are, easy to deploy in the field, etc.

For 20m it should be 33'. My trusty tape measure verifies that's how
long the wire I cut is. 16' counterpoise.

I tried it today with the K2 internal tuner, a ZM-2, and my HB L/C
tuner. None of the tuners would tune it on 20m. Best the K2 tuner
could get was 8.4 to 1.

The ZM-2 would tune it fine on 40m. I even checked continuity of the
wire...thinking maybe it was damaged.

Any thoughts?

Paul K4FB

Date: Sun, 12 Oct 2003 19:58:29 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [159266] THANKS--Gell Cell Chargers
Message-ID: <1ec.112f1d78.2cbb44a5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I wanted to thank all for the feedback on the issue of BATTERY CHARGERS. Comments ranged from saying how well the A&A Engineering charger works to FLOAT CHARGERS at Harbor Freight (which by the way are on sale for \$7.49 right now). Also in my search I found this site which I wanted to share:

www.discovercircuits.com/B/batt-chrg.htm

Also there were a few who recommended just connecting to a variable power supply

Alan KB7MBI

Date: Sun, 12 Oct 2003 20:00:14 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [159267] Re: K8FF's Finger Dimple - What a great idea!!
Message-ID: <3F89B2CE.5055.4E9E479@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

> Every now and then, someone comes up with an extremely simple but effective
> accessory. Wayne's Finger Dimples are just such an invention - such a clever
> idea that I'll bet everyone will say to themselves "why didn't I think of
> that?" (I know I did!). Finger Dimples are small circular plastic stick-on,
> well, finger dimples....I can't think of a better way to describe them! They
> transform an ordinary tuning knob that's awkward to twiddle into an ergonomic
> masterpiece.

Actually, somebody else DID think of that over a year ago. I purchased 3 of the "finger dimples" from a VE back then. I can't remember his call, but I think he is a member of QRP-L. I know he is on the Elecraft list. Let's give credit where credit is due, folks.

John W2AGN

Date: Sun, 12 Oct 2003 19:30:10 -0500
From: "George, W5YR" <w5yr@att.net>
To: <pwomble@verizon.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [159268] Re: 1/2 wave antenna failure
Message-ID: <00d301c39121\$2a4689c0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Paul, the impedance of an end-fed half-wave is quite high, in the order of 2000- 5000 ohms. It is not surprising that the tuners you tried could not handle it.

The classic tuner for the Fuchs antenna - that is the technical name for an end-fed half-wave - is a parallel-resonant circuit link-coupled to the low-impedance feedline or with a tap on the coil at the appropriate point up from the bottom end for minimum SWR on the line.

On 40 meters you were feeding a 1/4-wave antenna which presents a low driving point impedance which almost any tuner can handle.

Try the tuned circuit approach and see how fine it works. I once used a 260 foot antenna like that in the late 40's that worked DX on 20 like nothing else.

And I'm not joking - it is really a Fuchs antenna! <:}

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"Starting the 58th year and it just keeps getting better!"
w5yr@att.net

----- Original Message -----
From: "Paul Womble" <pwomble@verizon.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, October 12, 2003 6:25 PM
Subject: 1/2 wave antenna failure

> Well...today was the first day I have tried an end fed 1/2 wave antenna.
> I keep reading how great they are, easy to deploy in the field, etc.
>
> For 20m it should be 33'. My trusty tape measure verifies that's how
> long the wire I cut is. 16' counterpoise.
>

> I tried it today with the K2 internal tuner, a ZM-2, and my HB L/C
> tuner. None of the tuners would tune it on 20m. Best the K2 tuner
> could get was 8.4 to 1.
>
> The ZM-2 would tune it fine on 40m. I even checked continuity of the
> wire...thinking maybe it was damaged.
>
> Any thoughts?
>
> Paul K4FB
>

Date: Sun, 12 Oct 2003 17:38:35 -0700
From: "Timothy-Allen Albertson-KG6IRH" <kg6irh@pacbell.net>
To: <jeffimel@hotmail.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [159269] Re: Making HW-8 all accessable
Message-ID: <020601c39122\$58cc3780\$039baa40@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

try <http://www.handiham.org/> they have plenty of experience and will work
with you on making this accessible 73 de tim kg6irh

----- Original Message -----

From: "Jeff Imel" <jeffimel@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, October 12, 2003 8:57 AM
Subject: Making HW-8 all accessable

> I have a very good ham friend who is visually challenged. Although, I
would
> say that I am the one who is visually challenged because he can see things
I
> can't see. He is a CW whiz and copies code in his head. My kids are in
awe
> of him.
>
> Anyway, he has this HW-8 that he loves and I am helping him make it all
> accessible for him. I added a Freq-Mite so the frequency is read in Morse
> code through the headphones. I hit speedbump that I am hoping someone on
> this list can help me with some ideas.
>

> Loading: On the HW-8, one adjusts the power output by peaking the LOADING
> control. However, this is a visual adjustment by watching the RELATIVE
> POWER meter. This particular HW-8 as the S-meter mod. I have
> unsuccessfully tried to attach a circuit to power a piezo off of the meter
> so that he can peak the LOADING control by listening for the highest
pitch
> from the piezo. I am wondering if anyone has already performed a mod like
> this and can direct me to the proper circuit. Maybe I can parasitically
> retrieve RF off of the antenna lead just before it leaves the radio to
feed
> an audio circuit?
>
> I appreciate your ideas. Please don't hesitate in contacting me directly.
>
> Thanks and 73!
>
> Jeff
> KB9ZUR

Date: Sun, 12 Oct 2003 21:11:32 -0400
From: Brad Thompson <Brad.Thompson@valley.net>
To: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
Cc: qrp-1@Lehigh.EDU
Subject: [159270] OT: all 43 zillion versions of "Hot Rod Lincoln"
Message-ID: <5.0.2.1.2.20031012210838.01b4ea30@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello--

Okay... I'm aware that the thread has grown old, but I stumbled across the following:

<http://www.rockabillyhall.com/HotRodLncLn.html>

I commend to your attention the Johnny Bond "X-15" version.

73--

Brad AA1IP

Date: Sun, 12 Oct 2003 20:27:51 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: <w0eb@cox.net>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [159271] Re: Passive Audio Filter using 88mh toroids
Message-ID: <005b01c39139\$fbbe1e10\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just built one of those for SSB BW a couple months ago. Large but effective. There are a couple W3NQN designs in my 1988 and 1993 handbooks, chapter 28. If you have a HB in that range, you might find one. Also check the index on the ARRL site. If you don't come up with something, let me know & I'll see if I can copy one fer ya.

72--Nick, WA5BDU

----- Original Message -----
From: "Jim Sheldon" <w0eb@cox.net>

> Hey gang, anyone got the schematic laying around for a passive cw audio
> filter using those old 88 millihenry toroids that used to be found at any
> hamfest? I just happened to find a couple of them in the junk box, and
> thought I'd try building one. Can't find any of my old handbooks that
> contained such schematics. Any help would be greatly appreciated.

Date: Sun, 12 Oct 2003 19:25:13 -0600
From: "NORM KLIEMAN" <k9nk@msn.com>
To: "qrp-1" <qrp-1@lehigh.EDU>
Subject: [159272] Optivisor Sold
Message-ID: <BAY5-DAV10261oEquBi0000bef2@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Optivisor has been spoken for! Tks - Norm K9NK

Date: Sun, 12 Oct 2003 21:53:07 -0400
From: "Paul Womble" <pwomble@verizon.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Cc: <fpqrp-1@fpqrp.com>
Subject: [159273] RE: 1/2 wave antenna failure

Message-ID: <00a901c3912c\$bfe5e8d0\$6601a8c0@house>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

I appreciate all of the responses.

Some info I should have put in my original message:

The HB tuner I was trying is based on the "Film Can Transmatch" by KD7S.
http://69.5.23.180/ars/pages/back_issues/2000_text/0100_text/film.html

It's also got an N7VE LED swr bridge.
http://69.5.23.180/ars/pages/back_issues/1998_text/0998_text/bright.html

I built both into an Altoids tin.

What I did is similar (mine is 20m only) to a design by W0CH:

http://www.w0ch.net/field_antenna/field_antenna.htm

This is the tuner that I wanted to use the 1/2 wave antenna with...but when it would not tune I tried the K2 and ZM-2.

The 33' wire was held up by an SD20 pole and the 16' counterpoise was stretched out on the ground.

Paul K4FB

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]
> On Behalf Of George, W5YR
> Sent: Sunday, October 12, 2003 8:30 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: 1/2 wave antenna failure
>
>
> Paul, the impedance of an end-fed half-wave is quite high, in
> the order of
> 2000- 5000 ohms. It is not surprising that the tuners you
> tried could not handle it.
>
> The classic tuner for the Fuchs antenna - that is the
> technical name for an end-fed half-wave - is a
> parallel-resonant circuit link-coupled to the low-impedance
> feedline or with a tap on the coil at the appropriate point

> up from the bottom end for minimum SWR on the line.
>
> On 40 meters you were feeding a 1/4-wave antenna which
> presents a low driving point impedance which almost any tuner
> can handle.
>
> Try the tuned circuit approach and see how fine it works. I
> once used a 260 foot antenna like that in the late 40's that
> worked DX on 20 like nothing else.
>
> And I'm not joking - it is really a Fuchs antenna! <:}

Date: Sun, 12 Oct 2003 22:13:54 -0400
From: "Nick Yokanovich" <k3ny@cablespeed.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [159274] Re: 73 Magazine Awards
Message-ID: <051301c3912f\$a766d2d0\$7700a8c0@dad1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I haven't worked Bill for about a year, but I heard him on the air a couple weeks ago. He is an active FISTS member.

73
Nick K3NY

----- Original Message -----
From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, October 12, 2003 6:24 PM
Subject: Re: 73 Magazine Awards

> Bill Welsh was a technical writer/editor with Lockheed Aircraft.
He
> also ran an integral part of the Lockheed Amateur Radio Club; the
old
> magazine sales department. He wrote the Novice column for CQ, I
> believe. Though I met him, and worked with him on the P3C
manuals, I
> never worked him!
>

> 73
>
>

Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.524 / Virus Database: 321 - Release Date: 10/8/2003

Date: Sun, 12 Oct 2003 19:54:03 -0700
From: Steve Smith <sigcom@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [159275] RE: 1/2 wave antenna failure
Message-ID: <20031012.195404.3784.1.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul,

Well, that tuner should work. If you have a GDO, make sure the L/C is resonating on 20. I'd use a solenoid wound coil with a tap for the input, but that's me :-).

73.....Steve Smith, WB6TNL
Oxnard, CA USA
"Snort Rosin"

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 12 Oct 2003 23:04:53 -0400
From: "Jason Hsu" <jhs001@heronetwork.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [159276] Anyone familiar with DS2Y relays?
Message-ID: <008401c39136\$cad7aee0\$64923144@aolids1.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The datasheet is at

<http://rocky.digikey.com/scripts/ProductInfo.dll?Site=US&V=255&M=DS2Y-S-DC12V>

Some questions:

1. Does the "nominal voltage" refer to the supply voltage you are supposed to provide at pin 1? If I have a 12V supply voltage, is there any reason I should use a DS2Y relay other than the one with the 12V nominal voltage?
2. What do the "pick-up voltage" and "drop-out voltage" mean?
3. What does the coil between pins 1 and 16 do?
4. I understand that the function of this device is to act as a current-sensing relay. When there is an RF current, pin 4 is connected to pin 6, pin 13 is connected to pin 11, and pins 8 and 9 are disconnected from all the other ports within the relay. When there is no RF current, pins 4 and 8 are shorted together, pins 9 and 13 are shorted together, and pins 6 and 11 are disconnected from all the other ports within the relay. What happens when there IS an AC voltage difference across pin 4 relative to pin 13 when there is NO 12V of power being provided at pin 1? Is pin 4 still connected to pin 6, and is pin 13 still connected to pin 9? Is a pin4-6 connection and a pin11-13 connection the default condition?

Jason Hsu, AG4DG

Date: Sun, 12 Oct 2003 23:06:06 -0400

From: Ed Tanton <n4xy@earthlink.net>

To: BOATANCHORS@LISTSERV.TEMPE.GOV, qrp-L Reflector <qrp-l@lehigh.edu>

Subject: [159277] Cleaning Rigs-Excellent Product Found

Message-ID: <6.0.0.22.2.20031012223135.0427aa48@pop.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

There was a recent mention of rig-cleaning... and my wife just brought home something pretty good: Mr Clean's "MAGIC ERASER". I had seen ads for this recently, but my imagination conjured up abrasives. Not so. Its a soft foam pad with no chemical odor I can detect. You wet it, and rub it on stains. She got it for scuff marks on painted chair-rails and sheet-rock walls. Was "magical" on both. Obviously won't dig out scratches, but otherwise amazing.

So I figured, when she did a demo, I'd try it on some equipment. I had handy a B&W signal generator with a very fine medium green wrinkle paint (original) and a stainless steel 6 or 7 inch frequency dial/knob. The top of the unit had some near-gouges, as well as a 2 inch square stain on top that neither of my 'regular' cleaner favorites (Castrol Super Clean 'Regular'/Castrol Super Clean 'Wheel Cleaner') had touched.

First the Stainless. Black paint in the engraved dial marks and numbers. Worked fine with no residue. Shined up nicely-only a little better, but better. Didn't hurt the paint a bit. Not even when vigorously scrubbed. (I figured I could replace Black-Engraved paint if it did.)

Next a couple of heavy scratches on the top, left, front. It was hard to tell for certain, but either it was down to the primer, or it just didn't work. Didn't make it worse or anything, but if any better, only marginally.

Then, the stain. Wow. Neither my cleaners, nor straight isopropyl had changed what appeared to be a 2 inch square dark stain. This thing lifted it right off. You do rub it... even vigorously... but as I said, it is not abrasive. The paint underneath was somehow not bothered. I have no idea how this worked-but work it did.

Finally, I had an old Curtis Electrodevices Keyer with what I believe is a silk-screen-on-aluminum front panel. Cleaned it well. Removed no paint. There were no other marks on the panel-just some paint-deep scratches (which is why I used it to test on.) Your results may vary.

I did NOT test it on clear plastic. I just didn't have one (in something I didn't care if it messed it up) handy. I will do so and get back in the next couple of days if it bothers anything of mine.

I think these pads will do a great job on the exteriors of most equipment. It is water-based, so it should not be used on decals unless they're protected well. I suspect it would take off ordinary 'dry-transfer-lettering' also... but if you put those on, and don't coat it afterwards... well... enough said. You couldn't even use Windex without the coating.

I repeat: your results may vary, so be careful, and test a small area first.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".

--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."

--Mark Twain

Date: Sun, 12 Oct 2003 20:38:09 -0700
From: "Doug Hendricks" <ki6ds@dpol.net>
To: <qrp-1@Lehigh.EDU>
Subject: [159278] QRPacificon Info
Message-ID: <019c01c3913b\$6c17c160\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, I have just finished the first two articles in the 2003 QRPacificon Compendium by Wayne McFee, NB6M and Randy Foltz, K7TQ, and let me tell you a secret, you are in for a treat this year at QRPacificon.

Wayne and Randy will be joined by James Bennett, KD7DVS, Joe Everhart, N2CX, and George Heron, N2APB with their own fabulous presentations, plus you will get to meet famous QRP equipment designer Steve Weber, KD1JV in person!! We are flying Steve out for a special appearance, and he will be attending all of the QRP activities all weekend.

Wayne will be speaking on "A Nuts and Bolts Approach to RF Design", which is just what it says it is. Wayne takes you step by step through the process of designing a 40 meter cw transceiver using previously published circuits. Wayne picks and chooses his circuits carefully, and winds up with a neat little transceiver. This talk will be one of the hits of the weekend, and you don't want to miss it.

Randy Foltz, is well know to testers as an avid QRP tester himself, as well as the contest chairman for ARCI. Randy will take us through the art of contesting, giving us some history, hints and kinks of his own, plus tips from such avid testers as: Monte Stark, Chuck Adams, Jim Duffey and Brian Kassel. He has an outstanding presentation planned, and will be the first

speaker at 9:15 AM Saturday morning.

I am really excited about this year's event, because it is the first one under the auspices of the American QRP Club. When we formed the American QRP Club, one of our goals was to spread the word about QRP around the country, and to help sponsor forums all over the US, so that everyone would have a chance to attend. When AmQRP was formed, many NorCal and NJ QRP members were worried about what would become of Atlanticon and QRPacificon. Well, rest easy folks, because both of those events will be bigger and better than ever. Because of the merger, we have a QRPacificon kit this year, plus we brought back the popular QRPacificon Compendium. That would not have happened without the merger, due to the time I have available. George and I also discussed how we wanted to continue to offer the very best speakers available, and to ensure that we get those speakers, we will continue to pay their expenses, both travel and hotel while they are our guests. This is one way that we spend the "excess" funds from our kits, as we believe that we need to invest in QRP to keep it going. Everything is in place for another great time, and I can hardly wait. All that we need now is for you to show up and enjoy the fun with us. Some pretty famous QRPers are going to be here this year, George Heron, Joe Everhart, Randy Foltz, Jim Cates, Paul Maciel, Wayne McFee, Wayne Burdick, Eric Swartz, James Bennett, Vern Wright, Jerry Parker, Doug Hauff, Samari Sam Imai, Steve Smith, Trevor Jacobs, Dan Tayloe, Gene Sailsbury, Jim Duffey, Joe Porter, Dave Fifield, Dave Meacham, Bob Tellefsen and many, many others. I hope to see you at QRPacificon 2003. 72, Doug

Date: Sun, 12 Oct 2003 20:40:52 -0700
From: Adam Farson <farson@shaw.ca>
To: w5yr@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [159279] RE: 1/2 wave antenna failure
Message-ID: <BLEKJMCJBOEAAIECDNNCIEBKHDAA.farson@shaw.ca>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi George,

"Fuchs" also happens to be the German word for "Fox" (Fuchs wie Fuchsjagd = Fox as in Foxhunt...)

Cheers for now, 73,
Adam VA7OJ/AB4OJ

-----Original Message-----

From: owner-qrp-1@lehigh.edu [mailto:owner-qrp-1@lehigh.edu] On Behalf Of George, W5YR

Sent: Sunday, October 12, 2003 17:30

To: Low Power Amateur Radio Discussion

Subject: Re: 1/2 wave antenna failure

Paul, the impedance of an end-fed half-wave is quite high, in the order of 2000- 5000 ohms. It is not surprising that the tuners you tried could not handle it.

The classic tuner for the Fuchs antenna - that is the technical name for an end-fed half-wave - is a parallel-resonant circuit link-coupled to the low-impedance feedline or with a tap on the coil at the appropriate point up from the bottom end for minimum SWR on the line.

On 40 meters you were feeding a 1/4-wave antenna which presents a low driving point impedance which almost any tuner can handle.

Try the tuned circuit approach and see how fine it works. I once used a 260 foot antenna like that in the late 40's that worked DX on 20 like nothing else.

And I'm not joking - it is really a Fuchs antenna! <:}

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE

"Starting the 58th year and it just keeps getting better!"

w5yr@att.net

----- Original Message -----

From: "Paul Womble" <pwomble@verizon.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, October 12, 2003 6:25 PM

Subject: 1/2 wave antenna failure

> Well...today was the first day I have tried an end fed 1/2 wave antenna.

> I keep reading how great they are, easy to deploy in the field, etc.

>

> For 20m it should be 33'. My trusty tape measure verifies that's how

> long the wire I cut is. 16' counterpoise.

>
> I tried it today with the K2 internal tuner, a ZM-2, and my HB L/C
> tuner. None of the tuners would tune it on 20m. Best the K2 tuner
> could get was 8.4 to 1.
>
> The ZM-2 would tune it fine on 40m. I even checked continuity of the
> wire...thinking maybe it was damaged.
>
> Any thoughts?
>
> Paul K4FB
>

Date: Mon, 13 Oct 2003 00:37:47 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: "Jason Hsu" <reply@jasonhsu.com>,
qrp-L Reflector <qrp-l@lehigh.edu>
Subject: [159280] Re: DS2Y relays-LONG
Message-ID: <6.0.0.22.2.20031012232904.04355a00@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Jason... I just finished writing a small thing for QQ, and this relay is similar to the 4PDT 2-coil latching relay I used. They are close enough, and I went through MY NAI S relay's data-sheet enough, that I'll take a stab at this.

Please do not be offended if I start at ground-zero and go from there. Just skip the stuff you know already.

This data sheet set is for either A) a DPDT 'ordinary' 12VDC relay ("DS2Y-S-DC12V"); or B) a DPDT 2-coil LATCHING relay ("DS2Y-SL2-DC12V"). The 'ordinary' version is NOT latching-else there would not be a "Drop-out Voltage" listed.

What you need to know is:

1) Yes, "nominal" means 'expected', or 'usual'. If it says 12V, then it's a 12V DC relay.

2) Typically, a 12V relay will pick up (operate) at something less than 12V. In this case, 8.4 volts, typically. It will stay 'picked-up' until the voltage falls below some value. That's called the "drop-out" voltage. In this case: 1.2V. The reason for that is that it takes more 'oomph' to get that coil armature magnetized, and the contact-bar attracted, than it does

to hold it there.

3) Assuming "your" relay is the part number listed in the URL, it is NOT a latching-type relay, and has only ONE coil. That's the coil between pins 1 and 16. Note that pin 1 is POS and pin 16 is NEG. This is important. The relay might work if you reverse the lead, but it might not. And, sometimes there's a built-in diode, so reversing the leads would blow that diode.

4) Here's the deal on your relay as I understand what you've asked. You should know the terms: NO or n/o means "Normally Open" and that describes a set of contacts that will NOT be connected when power is NOT applied. The opposite is true for NC or n/c: "Normally Closed" means that the set of contacts WILL be connected when the power is NOT applied. Finally, COM means "Common".

IF you have a simple Single Pole Double Throw (SPDT) relay, you are switching SOMETHING (let's use your "AC") between TWO things. The AC is connected (via the relay contacts) to one of the two output terminals when power is OFF. So the AC is attached to the relay at the COM terminal (lets use pin 4). With the power OFF, the connection will be between COM (pin 4) and n/c (pin 6 in your relay).

If you apply power, the connection will be COM to n/o. so pin 4 will be connected to 8.

Looking at the 1st pinout diagram shown on page 2 of the data sheet, the one labelled: "de-energized position" describes your relay with NO voltage applied to the coil. When it is in that position, indeed, pins 4 & 6 and 13 & 11 ARE connected respectively and there is no connection at that setting for pins 8 or 9. Nor are pins 4-6 and pins 13-11 related to each other except for a very small capacitance from just being close to each other. Usually a negligible amount on small relays like this. These relays

So the answer to that part of your question is: with no power, nothing happens until the AC voltage across pins exceeds the more-or-less 1000V rating there at the top of page 1 of the data sheet. This is labelled as the "Breakdown voltage between contact sets". Note that this is NOT the same as the voltage breakdown capabilities of just a pair of open contacts when they're NOT connected. That is listed as 750V. These breakdown voltages are all AC RMS voltages. I found NO reference to the frequency-switching capabilities of this relay-but I'd be very surprised if it gave you ANY problems (crosstalk/etc.) below 100 MHz or so. Certainly at HF frequencies it should be fine.

Finally (yeah I know: whew!!!) latching:

Note also that there ARE latching relays with only ONE coil. They manage this by reversing the applied voltage. In other words, to set the relay in

one position, you'd use the same polarities above: 1= POS and 16 = NEG. To get it to reverse itself, into the opposite position, you'd apply: 1 = NEG and 16 = POS. Again, from the part number, and per the data sheet, 'your' relay is NOT one of those.

Then, a TWO-coil latching relay works like this: when you pulse one coil, let's say the SET coil, the DPDT contacts will go to the SET position. Note that in the diagram (the one with TWO coils) you are shown the RESET position. This is an arbitrary title. It so happens that of the 5 or 6 new NAI's brand relays I tested for a recent QQ article, ALL came new-in-the-box in the RESET position, as shown. Doesn't matter what you call the contact "set". When you pulse one coil with the 200mW mentioned in the data sheet, the relay moves to that position. (If it's ALREADY in that position, nothing happens.) To get the relay to change state, you pulse the OTHER coil. It's that simple.

I THINK this answers everything you ever wanted to know. If it doesn't, please feel free to ask anything else. Also, if anyone finds an error, please let me know, and I'll fix it-so Jason doesn't get it wrong by an oversight of mine.

P.S. I left Jason's email IN because there were specific questions, and it might help someone else figure out what all my obscure sentences are about.

At 11:04 PM 10/12/2003, you wrote:

>The datasheet is at
><http://rocky.digikey.com/scripts/ProductInfo.dll?Site=US&V=255&M=DS2Y-S-DC12V>
>
>Some questions:
>1. Does the "nominal voltage" refer to the supply voltage you are supposed
>to provide at pin 1? If I have a 12V supply voltage, is there any reason I
>should use a DS2Y relay other than the one with the 12V nominal voltage?
>2. What do the "pick-up voltage" and "drop-out voltage" mean?
>3. What does the coil between pins 1 and 16 do?
>4. I understand that the function of this device is to act as a
>current-sensing relay. When there is an RF current, pin 4 is
>connected to pin 6, pin 13 is connected to pin 11, and pins 8 and 9 are
>disconnected from all the other ports within the relay. When there is no RF
>current, pins 4 and 8 are shorted together, pins 9 and 13 are shorted
>together, and pins 6 and 11 are disconnected from all the other ports within
>the relay. What happens when there IS an AC voltage difference across pin 4
>relative to pin 13 when there is NO 12V of power being provided at pin 1? Is
>pin 4 still connected to pin 6, and is pin 13 still connected to pin 9? Is a
>pin4-6 connection and a pin11-13 connection the default condition?
>
>Jason Hsu, AG4DG

72/73 Ed Tanton N4XY <n4xy@earthlink.net>
ARRL Technical Specialist

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Sun, 12 Oct 2003 23:48:46 -0500
From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
<farson@shaw.ca>
Subject: [159281] Re: 1/2 wave antenna failure
Message-ID: <006d01c39145\$4aba7350\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

And to add to the confluence of names, I live in Foxglen Estates!

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"Starting the 58th year and it just keeps getting better!"
w5yr@att.net

----- Original Message -----

From: "Adam Farson" <farson@shaw.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, October 12, 2003 10:40 PM
Subject: RE: 1/2 wave antenna failure

> Hi George,
>
> "Fuchs" also happens to be the German word for "Fox" (Fuchs wie Fuchsjagd
=>
> Fox as in Foxhunt...)
>
> Cheers for now, 73,
> Adam VA7OJ/AB4OJ

Date: Sun, 12 Oct 2003 23:14:59 -0600
From: "NORM KLIEMAN" <k9nk@msn.com>
To: "qrp-1" <qrp-1@lehigh.EDU>
Subject: [159282] SWR Question - which meter is correct??
Message-ID: <BAY5-DAV43DTn0sKTMLO0000cb28@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi - I have had the same problem with both my FT-817 and now also with a new FT-857.

When I use the built in SWR meter on the rig using my tuner I can get it pretty darn close to a 1:1 match or atleast two the point where the high SWR meter reading is not showing up on the rig. I am making contacts with the rig too. I have full power output.

My tuner has a build in SWR meter and with that in line my SWR shows a very large mis-match.
My tuner is an MFJ -941e.

My question is which SWR meter should I believe -- the one in the rig or the one in the tuner.

Have a good ground too.

Thanks for the help!

Norm K9NK

Date: Sun, 12 Oct 2003 22:49:00 -0700
From: "john_k7fd" <john_k7fd@cablespeed.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [159283] Coast to Coast opening on 40m
Message-ID: <000701c3914d\$b3502830\$3801a8c0@codeking>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sunday night local, 0530Z...40m...7.040MHz nice condx...2 way 5watt qso
between Oregon and Mass...K7FD/K2 and N1UIY/Index Labs...crystal clear...

73 John K7FD

Date: Mon, 13 Oct 2003 01:37:26 -0800
From: Jim Larsen <JimLarsen2002@alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>, NJQRP-L <njqrp@njqrp.org>
Cc: Frank Ilardi - AL7LV <ilardi@hotmail.com>
Subject: [159284] Need to buy a 20 meter rig and quickly get it shipped to
Tasmania.
 AL7FS will pay.
Message-ID: <3F8A7256.2060005@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I would like to try to help Frank, AL7LV, obtain a 20 meter QRP rig quickly.
He is going to be in Tasmania for a couple of months, has a license but his
equipment didn't make it there. Frank is a member of our Alaska QRP Club here
in Anchorage.

He would like to buy a 20 meter QRP rig such as a clean working Norcal 20 or some other 5 watts rig from someone on the list. My goal would be to get you to ship the rig quickly to Frank and I will cover the payment of the rig for Frank and settle up with him later. Are there any rigs available out there? What price are you asking? Frank and I will cover Air shipping, etc.

In summary, Frank Ilardi, MD, is an Alaska physician working at Royal Hobart Hospital in Tasmania for a few months. Unfortunately when he arrived in country, his ham equipment did not. He wants to operate on 20 mtrs while he is there. He has all kinds of eqpt in Alaska. but none in Tasmania and he is finding that there is none available. His email is ilardi@hotmail.com
Frank AL7LV (RECENTLY VK7FI)

Frank Ilardi
89 Salamanca Square
Battery Point, Hobart, Tasmania 7004
Australia

73, Jim

--

Jim Larsen, AL7FS
Anchorage, Alaska
<http://www.qsl.net/al7fs>

Date: Mon, 13 Oct 2003 09:20:58 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [159285] Re: K8FF's Finger Dimple - What a great idea!!
Message-ID: <3F8A6E7A.15391.7C727E1@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

> Actually, somebody else DID think of that over a year ago. I purchased 3 of
> the "finger dimples" from a VE back then. I can't remember his call, but I
> think he is a member of QRP-L. I know he is on the Elecraft list. Let's give
> credit where credit is due, folks.

Found it!

The Originator of the finger dimple was VE3RPF, Robert. He sold(sells?) them for \$5.00 plus \$2 s&h (which covered up to 3 of them). He had(has?) different sizes for the K2 and K1. Pictures at:

http://images.andale.com/f2/115/123/10264406/1047829504127_K1spinner.jpg

http://images.andale.com/f2/115/123/10264406/1040010830094_K2WSpinner.jpg

My apologies for forgetting Robert's call, etc, but then he wasn't into the "aggressive" marketing. If interested in the original, his email is Robert Parker <robert931@sympatico.ca>

John W2AGN

Date: Mon, 13 Oct 2003 09:25:45 -0400
From: k1nun@netscape.net
To: qrp-l@lehigh.edu
Subject: [159286] RE end of an era
Message-ID: <5B4EE820.5FE372C1.00012A9D@netscape.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

I have been interested and amused at the string of comments about 73 Magazine and end of an era. The comments range from disgust to admiration. As a former employee of Wayne Green Enterprises and former assistant editor of 73 in 1971-1972, I agree with everyone!

In my opinion, Wayne straddled that line between "genius" and "normal." He fought the status quo and wanted very much for people to overcome their inhibitions and let loose their creative juices. He was intelligent and knew it; this is what might have rankled most of his detractors. He could argue knowledgeably on both sides of an argument (facts!), and if he started to convince you you were wrong and you came over to his side, he'd switch and argue your original side and make you argue against yourself. (Gee, doesn't this begin to sound like a eulogy?)

However, again in my opinion, he crossed a line many never forgave -- he started discussing non-Ham Radio topics in a Ham Radio magazine. These were his personal interests that fewer and fewer shared. Too bad, because he was an instigator who really made a difference in our hobby: computers, FM/repeaters, simple construction, simply explained theory, license manuals that taught (instead of memorized - see the manuals that K6MZH wrote), pushed transistors and integrated circuits. He changed publishing for a while by paying authors on acceptance instead of publication (but that eventually changed). And as noted in QRP-L, he launched some small businesses. And he urged his readers to read outside of

technical manuals to broaden their perspective and outlook, something very uncomfortable for many technically-oriented people.

The voice of the iconoclast is silent... for now. Who and what will replace 73?

72/73,

ERIC

K1NUN

73 Mag, Assistant Editor 1971-1972

Repeater Bulletin, Managing Editor 1971-1972

McAfee VirusScan Online from the Netscape Network.

Comprehensive protection for your entire computer. Get your free trial today!

<http://channels.netscape.com/ns/computing/mcafee/index.jsp?promo=393397>

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<http://aim.aol.com/aimnew/Aim/register.adp?promo=380455>

Date: Mon, 13 Oct 2003 08:36:55 -0500

From: "Boulineau, Lee" <lee.boulineau@attws.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [159287] RE: Double extended slinky ????

Message-ID: <3CD5FC1B2837DC46BC77FDDF187C26E3149D59@tx-msg07-ccc.wireless.attws.com>

content-class: urn:content-classes:message

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

You weren't this guy named D B Cooper in a past life????

Lee N4MVL

-----Original Message-----

From: R Mason [mailto:lostmessages@comcast.net]

Sent: Saturday, October 11, 2003 2:40 PM

To: Low Power Amateur Radio Discussion

Subject: Double extended slinky ????

For quite a while I've traveled with a collection of hamstick dipoles. =

They
can usually be set up in most motel rooms. However, carrying a gun =
case
(it makes a nice case for 2 sets of hamsticks) across a motel lobby,
however weird that may look, is nothing compared to trying to get it =
onto an
airplane (added to the fact that there is always a parachute in my =
checked
baggage).

Therefore, I'm looking for a new option for a motel room antenna system.
I've seen the Cliffdweller II (2 slinkys with insulators and a =
connector
in a dipole configuration) on ebay a lot. Other than the fact that it
seems morally wrong to try to feed something like that with unbalanced =
line
(as it is designed to be.... S0-239... etc.), does anyone have any
comments on the thing?

Bob WB8CAC
<http://www.qsl.net/wb8cac>

Date: Mon, 13 Oct 2003 10:48:16 -0400
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [159288] Tampa radio stores
Message-ID: <000001c39199\$0943d4d0\$7a032a0a@nyroc.ametek.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

Turns out I need to make a sudden (and very short) trip to Tampa tomorrow.
Are there any radio or surplus electronic stores near the airport?

Dave

David Hinerman WD8CIV
wd8civ@worldnet.att.net

Date: Mon, 13 Oct 2003 10:51:42 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: qrp-L Reflector <qrp-l@lehigh.edu>, noga <nogaqrp@mailman.qth.net>
Subject: [159289] Excellent ZD Net AnchorDesk essay on BPL
Message-ID: <6.0.0.22.2.20031013104503.02c1ffc8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I just received an excellent essay on BPL from David Coursey, Executive Editor of ZD Net's AnchorDesk. He actually filed comments with the FCC AGAINST BPL. See this at:
<http://reviews-zdnet.com.com/AnchorDesk/4520-7297_16-5089730.html?tag=adts>.

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Mon, 13 Oct 2003 17:15:30 +0200

From: WJuergens@t-online.de (Wolf-Ruediger Juergens)
To: qrp-1@lehigh.edu
Subject: [159290] Re: 1/2 wave antenna failure
Message-ID: <200310131715.30658.wjuergens@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

On Monday 13 October 2003 05:40, Adam Farson wrote:
> "Fuchs" also happens to be the German word for "Fox" (Fuchs wie
> Fuchsjagd = Fox as in Foxhunt...)

But the naming has nothing to do with Foxhunting. An austrian Ham with
the name Fuchs has developed the antenna and the methode to connect the
half wave antenna direct to the tank inductivity of the PA.

72 Wolf, DL2WRJ

--

Old programmers never die. They just branch to a new address.
(/usr/games/fortunes)

Date: Mon, 13 Oct 2003 10:16:05 -0500
From: Marten T Beels <martentb@goshen.edu>
To: qrp-1@Lehigh.EDU
Subject: [159291] tick 4
Message-ID: <1066058165.3f8ac1b585e6b@mail.goshen.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Hello, at a hamfest this weekend I bought a tick 4 chip and it came without any
documentation.

I've been searching google for embedded research and tick 4 but only hitting
dead links.

Does anyone know where I can find a schematic for the keyer to use of these
chips?

Thanks,

Marten
KC8HZM

<http://www.goshen.edu/~martentb>

This mail sent through IMP: <http://horde.org/imp/>

Date: Mon, 13 Oct 2003 11:18:55 -0400
From: "sslyon" <sslyon@megalink.net>
To: "qrp list" <qrp-l@lehigh.edu>, "K1SWL" <dave@smallwonderlabs.com>
Subject: [159292] New Site gorgeous...
Message-ID: <001901c3919d\$52398460\$34c7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Peak autumn foliage screaming chroma from toasty leaves bouquet
on a too warm October breeze... oh yea
this what a QRP outing in Maine is supposed to be. The "Leaf
Peeper" chair lift to a 2800' ridge at Sunday River Ski was near
silent and the view of surrounding mountains unbelievable. All
serene at the top, but the drama deficit was amply filled by a
huge draught of bear essence rolling out of the off-trail
blueberry/fir/winterberry scrub. That necessitated prudent
exaggeration of my noise while bushwhacking to the site,
and sustained watchfulness for the duration. I had packed lots
of nice snacks & drinks and didn't relish the thought of
sharing.

Got the 88 up to 25' only after swearing never, ever again to
use
flimsy wire. Two breaks teasing it up thru the scrub, then timid
tensioning was enough of a trial, thank you. It was overlooking
a 2500' drop at >60deg. slope to San Diego, however, so I wasn't
concerned about the low ht. Hosed up the Sprint on 20m, CQ'd and
G4GZG came back, 2X 4/4/9's @ 4W ea. Band was awfully quiet tho
even with some kind of 'test going on.

Unexpected clouds rolled in while I worked a couple of 4-landers
including KE4RUN with a strong 1W. Toshi, M3GWJ came back
@ 10W but prop seemed to be fading. Moved to 30M and snagged
S0GQX, some 3's and 8's, then SP9LWH. 30 was quiet too as
drizzle
started to build up on my gear.

Unfortunately, the lift stopped running at 3 PM so I had to walk down the very steep slope with the 25lb pack -that felt like 50. Alpine flowers among scarlet ground blueberry carpets brightened the drizzly descent, and frequent rest stops were enchanted rewards.

It was a wonder-full day all in all... with the surroundings over-compensating for rather dull activity. I don't think I'd go thru that tortuous descent again for an event since my local hill seems quite adequate by comparison. But I'd go back for that scenery in a heartbeat!

73
seab
aa1my

Date: Mon, 13 Oct 2003 11:27:22 -0400
From: WAYNE SMITH <k8ff@juno.com>
To: qrp-l@lehigh.edu
Subject: [159293] FingerDimple
Message-ID: <20031013.112725.3436.0.K8FF@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am not sure what motives W2AGN has with his comments regarding the FingerDimple (a name that I have registered). It is true that the other spinner has been available for some time, but it has been a deep secret. My research was unable to find any such device, since I searched extensively myself for my own use... I originally planned to make a custom knob for the K1 and K2 which was done...The idea while a good one was expensive to build and cost prohibitive...My wife suggested the stick on dimple idea...and she dubbed it the FingerDimple and the name was registered...The FingerDimples are made by me one at a time in my home shop from quality materials...Trust me about this statement: FingerDimples won't put me in a new tax bracket!...The idea to offer them to others was for their convenience, since there was apparently no other source...This has been proven by the interest in the product and the very positive feedback from many buyers...I suggest that any additional comments by W2AGN calling other spinners FingerDimples should be taken as uninformed.

My goal with any idea is to provide a simple solution that in some small

way helps promote HAM radio and particularly QRP. Ask and manufacturer of equipment or station accessories, new products helps promote sales and also the hobby. When buys a new item the tendency is to try it out and use it. Enjoyment promotes more use of the equipment and the bands. Activity on the bands is at an all time low and if any of my ideas helps increase activity then I feel rewarded.

Visit www.fingerdimple.com

Sorry for the bandwidth.

72, Wayne K8FF

Date: Mon, 13 Oct 2003 08:35:33 -0700
From: "Doug Hendricks" <ki6ds@dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [159294] RE: Double extended slinky ????
Message-ID: <01c001c3919f\$a46c62a0\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob, have you checked out the Pac-12? You could use two of them with the mount that you use for your hamsticks, but they would be a lot easier to pack and carry on the airplane. They will easily fit into your luggage. Go to www.pacificantenna.com for information. Also, if you want to build your own, there is an excellent article on the AmQRP web site at www.amqrp.org

Hope this helps. 72, Doug

Date: Mon, 13 Oct 2003 11:19:32 -0500
From: "Mark G Janzer" <mjanzer@hal-pc.org>
To: qrp-l@lehigh.edu
Subject: [159295] DL Tramp-8 smt rig
Message-ID: <web-66561199@mail.hal-pc.org>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; format="flowed"
Content-Transfer-Encoding: 8bit

Does any one on the list have any experience with this German kit/rig? It offers 8 bands and uses smt components.

Thanks!

Mark, K5MGJ
(Julie, XYL)

Date: Mon, 13 Oct 2003 11:28:30 -0500
From: Marten T Beels <martentb@goshen.edu>
To: qrp-l@lehigh.edu
Subject: [159296] tick 4
Message-ID: <1066062510.3f8ad2ae16403@mail.goshen.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Thanks for the quick responses, I know have the complete data sheet!

Marten
KC8HZM

This mail sent through IMP: <http://horde.org/imp/>

Date: Mon, 13 Oct 2003 12:29:52 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [159297] Re: FingerDimple
Message-ID: <3F8A9AC0.22668.8742423@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

> I am not sure what motives W2AGN has with his comments regarding the
> FingerDimple (a name that I have registered). It is true that the other
> spinner has been available for some time, but it has been a deep secret.

Please be assured I have no "ulterior" motives. I just have a problem with someone claiming an idea as "original" when in fact, it is not. Robert came up with the stick on, "spinner attachment" that oddly, is identical to the "Fingerdimple." There was no fancy registered name for this little attachment

at that time. It was however, "advertised" and discussed on the Elecraft list at the time, which was back in March of this year.

> I suggest that any additional
> comments by W2AGN calling other spinners FingerDimples should be taken as
> uninformed.

I will grant you the name "Fingerdimple" is original. The idea of a stick on, "finger spinner attachment" is NOT, nor am I uninformed. If I take the Gettysburg Address, and rename it "W2AGN Manifesto" and register that name, it is still not my original idea.

John W2AGN

Date: Mon, 13 Oct 2003 09:59:44 -0700
From: Steve Smith <sigcom@juno.com>
To: JimLarsen2002@alaska.net
Cc: qrp-1@Lehigh.EDU
Subject: [159298] Re: Need to buy a 20 meter rig and quickly get it shipped to Tasmania. AL7FS will pay.
Message-ID: <20031013.095944.-359721.0.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim,

I have an Emtech NW 20 meter rig that I would loan him until his return. Long term is no prob. I'd only want reimbursment if it were lost, stolen, etc. Advise.

73.....Steve Smith WB6TNL
Oxnard, CA USA
"Snort Rosin"

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Date: Mon, 13 Oct 2003 12:02:47 -0500

From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
<k9nk@msn.com>
Subject: [159299] Re: SWR Question - which meter is correct??
Message-ID: <00cf01c391ab\$d5d4fe80\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Norm, always go by the meter in the rig.

The meter in the tuner may be reading correctly *for where it is in the transmission line* but that is not the same as being at the transmitter antenna terminals.

The meter in the rig is not actually measuring an "SWR" but rather is measuring how close the load to the transmitter is to being 50 ohms resistive. It is just calibrated in SWR units for convenience and ease of use. The higher it reads, the further away you are from providing the rig with the required 50 ohm resistive load.

Your ground or lack of one has little or nothing to do with this . . . it is almost never an effect caused by "r-f in the shack."

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"Starting the 58th year and it just keeps getting better!"
w5yr@att.net

----- Original Message -----

From: "NORM KLIEMAN" <k9nk@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, October 13, 2003 12:14 AM
Subject: SWR Question - which meter is correct??

> Hi - I have had the same problem with both my FT-817 and now also with a new
> FT-857.
>
> When I use the built in SWR meter on the rig using my tuner I can get it
> pretty darn close to a 1:1 match or atleast two the point where the high

SWR

> meter reading is not showing up on the rig. I am making contacts with the
> rig too. I have full power output.
>
> My tuner has a build in SWR meter and with that in line my SWR shows a
very
> large mis-match.
> My tuner is an MFJ -941e.
>
> My question is which SWR meter should I believe -- the one in the rig or
the
> one in the tuner.
>
> Have a good ground too.
>
> Thanks for the help!
>
> Norm K9NK

Date: Mon, 13 Oct 2003 13:08:19 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <martentb@goshen.edu>
Subject: [159300] Re: tick 4
Message-ID: <001201c391ac\$9a641ac0\$080044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Marten

The schematic is the same as for the TiCK 1, so you can use the circuit from
NJQRP's Fireball-40, NorCal's NC-20, or any of the dozens of other rigs
using this part.

Basically:

- 1 - Vcc (pretty good range here, I think about 2.5 to 6V
- 2 -
- 3 - Audio
- 4 - Pushbutton
- 5 - Keyline
- 6 - Dah
- 7 - Dit
- 8 - Ground

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Marten T Beels" <martentb@goshen.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, October 13, 2003 11:16 AM
Subject: tick 4

> Hello, at a hamfest this weekend I bought a tick 4 chip and it came
> without any
> documentation.
>
> I've been searching google for embedded research and tick 4 but only
> hitting
> dead links.
>
> Does anyone know where I can find a schematic for the keyer to use of
> these
> chips?
>
> Thanks,
>
> Marten
> KC8HZM
> <http://www.goshen.edu/~martentb>
>
>
>
> -----
> This mail sent through IMP: <http://horde.org/imp/>
>

Date: Mon, 13 Oct 2003 09:40:33 -0700
From: Adam Farson <farson@shaw.ca>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [159301] RE: 1/2 wave antenna failure
Message-ID: <BLEKJMCJB0EAAIECDNNCEECHDAA.farson@shaw.ca>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hallo Wolf,

Ja, einverstanden - aber ich wollte einfach mit "Fuchs" Wortspiele machen!

Tschuess, 73,
Adam VA7OJ/AB4OJ

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]

On Behalf Of

Wolf-Ruediger Juergens

Sent: Monday, October 13, 2003 08:16

To: Low Power Amateur Radio Discussion

Subject: Re: 1/2 wave antenna failure

On Monday 13 October 2003 05:40, Adam Farson wrote:

> "Fuchs" also happens to be the German word for "Fox" (Fuchs wie

> Fuchsjagd = Fox as in Foxhunt...)

But the naming has nothing to do with Foxhunting. An austrian Ham with the name Fuchs has developed the antenna and the methode to connect the half wave antenna direct to the tank inductivity of the PA.

72 Wolf, DL2WRJ

--

Old programmers never die. They just branch to a new address.

(/usr/games/fortunes)

Date: Mon, 13 Oct 2003 13:32:27 -0400

From: "Tom Mc" <thom2@worldnet.att.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [159302] Re: tick 4

Message-ID: <001501c391af\$fb1d1f80\$e953580c@x2f6a2>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Gang,

I was wondering if anybody using the Tick chips keep them powered up at all times. To me losing the data in the chip on power down was one of the drawbacks.

Thanks

Tom

WB2QDG

'The Y has been said to be the home for the remote-control gene, the belching gene and the refuse-to-ask-directions gene.'

--- From 'Genetics Weekly'

-----Original Message-----

From: Marten T Beels <martentb@goshen.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, October 13, 2003 1:23 PM
Subject: tick 4

Thanks for the quick responses, I know have the complete data sheet!

Marten
KC8HZM

This mail sent through IMP: <http://horde.org/imp/>

Date: Mon, 13 Oct 2003 10:42:23 -0700
From: Steve Smith <sigcom@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [159303] Re: Need to buy a 20 meter rig and quickly get it shipped to Tasmania. AL7FS will pay.
Message-ID: <20031013.104224.-359721.1.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Oops, sorry. That was supposed to go to to Jim privately. I -hate- when I don't turn off the "reply all". Grrrrr.

73.....Steve Smith WB6TNL
Oxnard, CA USA
"Snort Rosin"

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Date: Mon, 13 Oct 2003 13:44:36 -0500
From: "Lew Paceley" <lew@paceley.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <pwomble@verizon.net>, "Lew Paceley" <lew@paceley.com>
Subject: [159304] Re: 1/2 wave antenna failure
Message-ID: <[002f01c391ba\\$0dad1f60\\$6501a8c0@swbell.net](mailto:002f01c391ba$0dad1f60$6501a8c0@swbell.net)>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Paul,
I may be the odd man out here, but I never use a 1/4 wave counterpoise on an end-fed halfwave. It's not necessary. A couple feet of counterpoise wire is all that is usually needed. It will often work without any counterpoise at all by just using the rig and feedline between rig and tuner as the RF current return. As an experiment, you might try using a very short counterpoise and see if it makes any difference.

The fact that both the ZM-2 and K2 won't match is odd. Both should have sufficient matching range on 20m. An L-network tuner is a legitimate substitute for the resonant transformer style tuner you're using in your Altoids tin. Since the K2 ATU is an L-network tuner I would expect that it would match. Approximately speaking, an L-network with an inductance range between 3.5uH-5.5uH with a capacitance range of 20pF-40pF should provide a match over an end fed halfwave's highly resistive load range from 2000-5000 ohms on the CW portion of 20m. I can only speculate that the matching algorithm may be missing the 50 ohm match point. End fed halfwaves can have a very sharp tuning peak so perhaps this is a possible cause. Again, this is pure speculation on my part so perhaps Wayne or Eric can comment.

The ZM-2 Z-match is also essentially an L-network tuner. I'm stumped here. The only suggestion I have is that the ZM-2 must be in its unbalanced, highest impedance configuration.

I hope there's something helpful in my rambling :-)

Good luck es

72/73,
Lew

N5ZE

Date: Mon, 13 Oct 2003 14:00:33 -0500 (CDT)
From: Dale Botkin <dale@botkin.org>
To: Tom Mc <thom2@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [159305] Re: tick 4
Message-ID: <Pine.LNX.4.33.0310131357450.7051-100000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 13 Oct 2003, Tom Mc wrote:

> Hi Gang,
> I was wondering if anybody using the Tick chips keep them powered up at
> all times. To me losing the data in the chip on power down was one of the
> drawbacks.

I believe the newest version(s) has/have nonvolatile memory, you could check their web site to be sure which ones do and which don't. I know my own keyer (see sig block) does. If you're powering the circuit from an AC source with a battery backup you should be OK.

72,
Dale - N0XAS

--
It's a thankless job, but I've got a lot of Karma to burn off.
PicoKeyer is available for the Rock-Mite! <http://www.hamgadgets.com>

Date: Mon, 13 Oct 2003 17:24:59 -0400
From: "Dean-K2WW" <n2v@northnet.org>
To: <cprstn54@att.net>, <qrp-l@lehigh.edu>
Subject: [159306] Slinkys---was QRP-L digest 3070
Message-ID: <003601c391d0\$7be22870\$03fea8c0@deanlaptop>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Where can I get "slinkys" that aren't made out of plastic? That's all I've been able to find.

72,
Dean K2WW/4

Mis-guided NYer in SFla

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf
Of Kenneth Cooperstein
Sent: Sunday, October 12, 2003 9:59 AM
To: Low Power Amateur Radio Discussion
Subject: Re: QRP-L digest 3070

"R Mason" <lostmessages@comcast.net>:

Therefore, I'm looking for a new option for a motel room antenna
system.

I've seen the Cliffdweller II (2 slinkies with insulators and a
connector
in a dipole configuration) on ebay a lot. Other than the fact that
it
seems morally wrong to try to feed something like that with
unbalanced line
(as it is designed to be.... S0-239... etc.), does anyone have any
comments on the thing?

I couldn't get decent performance out of the "CliffDweller" slinky and
sold it a week after I bought it. Theoretically, you can find a length
that makes it resonant on most frequencies, but I couldn't. Also, who
wants to be bothered by changing the antenna every time you move a few
MHz?

Instead, I made a 40M double extended Zepp slinky, fed with 300 ohm
twinlead, and used a tuner. Each slinky consists of 1.5 standard
slinkies clipped and soldered. The center connector is a small
sprinkler piping "T". It tunes to SWR=1.0 from 80 to 10. And though
resonant nowhere else on ham HF, it is resonant on 60M and I had a few
QSO's there.

My ARC put it into service on Field Day to get our solar QRP points on
40M CW.

It is a little bulky when packed. You could consider substituting a
greater number of Slinky Jrs. Or you can pack goodies inside the

slinkies and use the space.

Ken KC2JDY

Date: Mon, 13 Oct 2003 17:58:05 -0400
From: "JBCrafts" <jbcraft@adelphia.net>
To: <nr2v@northnet.org>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [159307] RE: Slinkys---was QRP-L digest 3070
Message-ID: <AGEJJBFPLHMOECFDINOAEFDIAA.jbcraft@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I found STEEL slinkys at KB Toys

Bob K8YS

Date: Mon, 13 Oct 2003 17:57:25 -0400
From: Rick McKee <kc8aon@juno.com>
To: thom2@worldnet.att.net, qrp-l@Lehigh.EDU
Subject: [159308] Re: tick 4
Message-ID: <20031013.180306.9494.3.kc8aon@juno.com>

I think if you eliminate the voltage regulator and feed it straight with a 3 volt lithium battery or a couple of AAA's or AA alkalines, you can just leave it on all the time. It goes into a sleep mode when not in use, but the voltage regulator if used is what eats up the battery life !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW-20+, SW-30+, SW-40+, Norcal BLT, Norcal Cascade, Yaesu FT-7,
Homebrew 6V6 tube TX & Hallicrafters SW500 RX, PAC-12 Antenna
QRP-L #2112, FPqrp #33, AR QRP, AmQRP, Ohio Valley Fists
I'll give up CW & QRP when I'm dead ! MAYBE ! didididadidah

On Mon, 13 Oct 2003 13:32:27 -0400 "Tom Mc" <thom2@worldnet.att.net>
writes:
>Hi Gang,

> I was wondering if anybody using the Tick chips keep them powered up
>at
>all times. To me losing the data in the chip on power down was one of
>the
>drawbacks.
>Thanks
>Tom
>WB2QDG
>
>
>'The Y has been said to be the home for the remote-control gene, the
>belching gene and the refuse-to-ask-directions gene.'
> --- From 'Genetics Weekly'
>
>
>-----Original Message-----
>From: Marten T Beels <martentb@goshen.edu>
>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
>Date: Monday, October 13, 2003 1:23 PM
>Subject: tick 4
>
>
>Thanks for the quick responses, I know have the complete data sheet!
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>Marten
>KC8HZM
>
>
>
>-----
>This mail sent through IMP: <http://horde.org/imp/>
>
>

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End of QRP-L Digest 3072

